

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please amend claims 1, 8, 12, 17, 18, 21, 27, 33, 34, 36, 38, 41 and 42 as indicated below (material to be inserted is in **bold and underline**, material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[ ]]):

**Listing of Claims:**

1. (Currently Amended) A portable projector, comprising  
a light engine; and

a projector housing **having a first portion and a second portion that are pivotally connected, the projector housing** having a closed configuration and an open configuration, wherein, in the closed configuration, the ~~projector housing~~ **first portion and second portion** at least partially ~~encloses~~ **enclose** the light engine, and in the open configuration, the projector housing **is supported solely by the first portion and second portion** ~~supports the light engine~~ in an upright orientation with the light engine suspended ~~downward~~ from the projector housing **so that it is configured to project an image onto a display surface outside the projector housing.**

2. (Original) The portable projector of claim 1, wherein the light engine has a compact state and an expanded state, and wherein, in the closed configuration, the projector housing encloses the light engine in its compact state, and in the open configuration, the projector housing supports the light engine in its expanded state.

3. (Original) The portable projector of claim 2, wherein, the light engine is inoperative in its compact state, and operative in its expanded state.

4. (Original) The portable projector of claim 3, wherein the light engine includes optical components, and the optical components are configured so that when the light engine is in its expanded state, the optical components are properly aligned and oriented for operation of the light engine.

5. (Original) The portable projector of claim 1, wherein the light engine includes reflective optics.

6. (Original) The portable projector of claim 1, wherein the light engine includes polymer refractive elements.

7. (Original) The portable projector of claim 1, wherein the light engine is at least partially enclosed by a light engine housing.

8. (Currently Amended) The portable projector of claim 7, wherein when the projector housing is in the open configuration, the projector housing pivots at a top and opens at a bottom to form ~~forms~~ a support for the light engine housing.

9. (Previously Presented) The portable projector of claim 8, wherein the support is an upright support, and the light engine housing depends from the top of the projector housing.

10. (Original) The portable projector of claim 9, wherein the light engine housing pivotally depends from the projector housing.

11. (Cancelled).

12. (Currently Amended) The portable projector of claim 1, ~~wherein the projector housing includes a first portion and a second portion,~~ wherein the first and second ~~portion~~ portions of the projector housing are pivotally connected such that rotating the pivotal connection converts the closed configuration of the projector housing to the open configuration of the projector housing.

13. (Original) The portable projector of claim 12, wherein conversion of the closed configuration of the projector housing to the open configuration of the projector housing permits the light engine to be converted from a compact state to an expanded state.

14. (Original) The portable projector of claim 12, wherein at least one of the first and second portions of the projector housing remains coupled to the light engine housing when the projector housing is in the open configuration.

15. (Original) The portable projector of claim 1, wherein the projector housing includes a clamshell structure.

16. (Original) The portable projector of claim 1, wherein heat dissipation from the light engine housing is enhanced when the projector housing is in the open configuration.

17. (Currently Amended) A portable projector, comprising  
a light engine having a compact state and an expanded state;  
a light engine housing that at least partially encloses the light engine; and  
a projector housing that includes a clamshell structure having a closed configuration and an open upright configuration, wherein the clamshell structure includes a first portion and a second portion that are pivotally connected such that rotating the pivotal connection converts the closed configuration of the projector housing to the open configuration of the projector housing;

wherein conversion of the closed configuration of the projector housing to the open upright configuration of the projector housing deploys the light engine in its expanded state so that the light engine depends from the projector housing, and wherein the light engine ~~includes projection optics that are disposed adjacent the bottom of the light engine housing in the open configuration~~ is configured to project an image along an axis that is generally parallel to the axis of the pivotal connection.

18. (Currently Amended) The portable projector of claim 17, wherein the ~~projector housing includes a first portion and a second portion, wherein the first and second portion are pivotally connected such that rotating the pivotal connection converts the closed configuration of the projector housing to the open configuration of the projector housing~~ light engine includes projection optics that are disposed adjacent the bottom of the light engine housing in the open configuration.

19. (Original) The portable projector of claim 17, where the light engine includes projection optics that are disposed adjacent the top of the light engine housing in the open configuration.

20. (Cancelled).

21. (Currently Amended) A portable projector, comprising  
a light engine having an inoperative compact state and an operative expanded state; and

a projector housing having a closed configuration and an open configuration;

wherein, conversion of the closed configuration of the projector housing to the open configuration of the projector housing deploys the light engine in its expanded operative state in a position suspended within ~~suspending downward from~~ the projector housing, so that the light engine is configured to project an image onto a display surface outside the projector housing.

22. (Original) The portable projector of claim 21, further comprising a light engine housing that at least partially encloses the light engine.

23. (Original) The portable projector of claim 22, wherein the projector housing has a first portion that is pivotally connected to the light engine housing, such that rotating the pivotal connection converts the closed configuration of the projector housing to the open configuration of the projector housing and deploys the light engine in its expanded operative state.

24. (Original) The portable projector of claim 21, wherein the light engine includes optical components, and the optical components are configured so that when the light engine is in its expanded operative state, the optical components are properly aligned and oriented for operation of the light engine.

Page 6 -

AMENDMENT  
Serial No. 10/723,235  
HP Docket No. 200300703-1  
KH Docket No. HPCC 3B4

25. (Original) The portable projector of claim 21, wherein the light engine includes reflective optics.

26. (Original) The portable projector of claim 21, wherein the light engine includes polymer refractive elements.

27. (Currently Amended) A method of using a portable projector, where the portable projector comprises a light engine; and a projector housing having a first portion and a second portion that are pivotally connected, the projector housing having a closed configuration and an open configuration; wherein in the open configuration the projector ~~housing supports the light engine~~ is supported solely by the first portion and second portion in an upright orientation with the light engine suspended downward from the projector housing, the method comprising:

converting the projector housing from its closed configuration to its open configuration; and

projecting an image onto a display surface outside the projector housing using the light engine.

28. (Original) The method of claim 27, wherein the light engine has an enclosed state and an operative state, further comprising deploying the light engine in its operative state.

29. (Original) The method of claim 27, where the light engine has a compact state and an expanded state, the method further comprising converting the light engine from the compact state to the expanded state.

30. (Original) The method of claim 27, further comprising associating the projector with a source of image data.

Page 7 - AMENDMENT  
Serial No. 10/723,235  
HP Docket No. 200300703-1  
KH Docket No. HPCC 3B4

31. (Original) The method of claim 30, further comprising receiving image data from an image data source that is an associated computer.

32. (Original) The method of claim 31, where projecting an image includes projecting an image corresponding to the image data using the light engine.

33. (Currently Amended) The method of claim 27, wherein the ~~projector housing includes~~ a first portion and ~~[[a]]~~ second portion ~~that~~ are pivotally connected, and converting the projector housing from its closed configuration to its open configuration includes rotating the pivotal connection.

34. (Currently Amended) A method of manufacturing a portable projector, comprising:

providing a light engine;

providing a projector housing having a first portion and a second portion that are pivotally connected, the projector housing having a closed configuration and an open configuration; and

disposing the light engine within the projector housing such that when the projector housing is in its open configuration the first and second portions solely support ~~projector housing supports~~ the light engine in an operative state and in a position suspending downward from the projector housing so that it is configured to project an image onto a display surface outside the projector housing.

35. (Original) The method of claim 34, wherein the light engine has a compact state and an expanded state, and disposing the light engine within the projector housing includes configuring the light engine so that it is at least partially enclosed by the housing in its compact state.

36. (Currently Amended) The method of claim 34, wherein ~~providing the projector housing includes providing a first housing portion and a second housing portion,~~ where the first and second housing portions are configured to form a clamshell structure that at least partially encloses the light engine in the closed configuration.

37. (Original) The method of claim 34, wherein the light engine includes optical components, and disposing the light engine within the projector housing includes configuring the optical components so that when the light engine is in the deployed operative state, the optical components are aligned and oriented properly for projection of images.

38. (Currently Amended ) A projector system, comprising:

a portable projector, including a light engine having a compact state and an expanded state, and a projector housing having a clamshell structure, the clamshell having a closed configuration and an open configuration, wherein in the closed configuration the projector housing encloses the light engine, and in the open configuration the clamshell structure solely ~~projector housing~~ supports the light engine in an upright orientation with the light engine suspended downward from the projector housing so that it is configured to project an image onto a display surface outside the projector housing.

39. (Original) The portable projector of claim 38, wherein the light engine has a compact state and an expanded state, and wherein in the closed configuration the projector housing encloses the light engine in its compact state, and in the open configuration the projector housing supports the light engine in its expanded state.



40. (Original) The projector system of claim 38, further comprising an associated source of image data.

41. (Currently Amended) The projector system of claim 38, further comprising a display surface outside the projector housing.

42. (Currently Amended) A portable projector, comprising  
projection means; and

housing means having a closed configuration and an open configuration;  
wherein in the closed configuration the housing means at least partially encloses the projection means, and in the open configuration the housing means supports the projection means in an operative state suspending downward from within the housing means so that it is configured to project an image onto a display surface outside the projector housing.

43. (Previously Presented) The portable projector of claim 1, wherein the projector housing is configured to support the light engine above a surface on which the projector housing is set.